**Aim of the study:**

The aim of the study was to compares the outcome between antibiotic vs appendectomy to manage acute appendicitis

**Outcome measure:**

Three major outcomes were extracted:

1. Overall effective rate
2. Recurrence of appendicitis
3. Mortality.

**Method of the Study:**

* The eleven studies were included in this meta-analysis, 5 RCTs, 3 retrospective studies and 3 prospective cohort studies.

**Conclusion:**

* conservative treatment such as antibiotics decreases hospital stays and fewer complications compared to appendectomy
* However, conservative treatment was less effective as it caused higher recurrence rate.
* Emergent appendectomy is still the primary treatment choice for AA because of its low mortality and low rate of recurrence and perforation.

**Overall conclusion:**

* In uncomplicated appendicitis, antibiotics can be considered a primary mode of treatment. Also Antibiotic can be used for interval method and elective appendectomy.